



A HUBER COMPANY

**CAUTION** This product contains BORON and MOLYBDENUM. Determine plant sensitivity prior to use. Plants containing excess MOLYBDENUM are toxic to livestock. Crops sensitive to either or both of these two elements may be injured.

# ZMC Express®

## MICRONUTRIENT BLEND

A CHELATE FOR USE ONLY ON AGRICULTURAL AND HORTICULTURAL CROPS AND ORNAMENTALS.

### WARNING

**KEEP OUT OF REACH OF CHILDREN**



Suspected of damage to fertility or the unborn child. Wash face, hands and any exposed skin after handling. Do not eat, drink, or smoke when using this product. If swallowed, call a poison control center if you feel unwell. Rinse mouth.

#### GUARANTEED ANALYSIS

Calcium (CA) • 2.70% Chelated Calcium .....	2.70%	<b>Derived From:</b> Calcium EDTA, Magnesium EDTA, Iron EDTA, Manganese, EDTA, Zinc EDTA, Sodium Borate, and Ammonium Molybdate. Chelating agent is EDTA (ethylenediaminetetraacetic acid).
Magnesium (Mg) • 2.10% Chelated Magnesium .....	2.10%	
Boron (B) .....	1.20%	
Iron (Fe) • 0.90% Chelated Iron .....	0.90%	
Manganese (Mn) • 1.80% Chelated Manganese .....	1.80%	
Molybdenum (Mo) .....	0.10%	
Zinc (Zn) • 3.70% Chelated Zinc .....	3.70%	

#### FOR TREATMENT OF SOILS AND CROPS WHERE MICRONUTRIENT DEFICIENCY IS DIAGNOSED OR SUSPECTED.

ZMC Express® micronutrient blend is particularly suitable for foliar application, inclusion in liquid feeds and hydroponic mixes, and for soil application. Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops. Plants need only very small amounts of micronutrients for maximum growth. Thus, while a deficiency of any essential element will greatly reduce plant growth, the overuse of micronutrients can produce a harmful level of these nutrients in the soil which may be more difficult to correct than a deficiency.

#### MIXING

ZMC Express is soluble in water. When mixing, do NOT pre-mix with a small amount of water before adding to the spray tank. The material should be added slowly to the main bulk of the water while it is being agitated. Agitation should continue for a minute or two after the addition of ZMC Express. If pesticides are to be used in the spray mix, add them after the ZMC Express has dissolved.

#### CROPS SUSCEPTIBLE TO MICRONUTRIENT DEFICIENCY

ZMC Express is recommended for crops such as alfalfa, almonds, avocados, apples, broccoli, cabbage, cauliflower, carrots, celery, citrus, corn, grapes, lettuce, milo, melons, nectarines, rice, pears, peaches, pecans, peppers, plums, prunes, potatoes, peanuts, sorghum, sugar beets, sweet corn, sugar cane, strawberries, tomatoes, turnips, walnuts, watermelons, wheat, and most other crops.

#### GENERAL INFORMATION

This product gives best results when crops have adequate supplies of water and major nutrients, and are not under stress for other

reasons. Conditions which are responsible for one particular deficiency can also induce deficiencies of other trace elements.

#### APPLICATION RATES OF MILLER ZMC EXPRESS

Use 1/2 to 1 lb. of ZMC Express per acre for vegetables, trees and row crops as a foliar application. Use 1/2 to 2 lbs. of ZMC Express per acre for soil applications through drip, microjet or other delivery systems. Use the following chart as a reference for foliar application to particular crops:

RATE OF USE LBS / ACRE	SEVERE DEFICIENCY	MODERATE DEFICIENCY	MAINTENANCE
FRUIT TREES	1	1	0.5
VEGETABLES	1	0.5 - 1	0.5
ROW CROPS	1	0.5 - 1	0.5

#### FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.

**SKIN CONTACT:** Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

**INHALATION:** Move person to fresh air. If not breathing, give artificial respiration, preferably by mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

**INGESTION:** If swallowed, DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs

spontaneously, keep head below hips to prevent breathing vomit into lungs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician immediately!

#### APPLICATION: POST HARVEST TREE, VINE, NUTS and CITRUS

Apply ZMC Express at no more than 2 lbs. per acre foliarly in post harvest sprays. Use sufficient water for good coverage. Follow all other directions and safety precautions currently on the label.

**ORNAMENTALS:** One teaspoon per gallon of water every 2 to 4 weeks. Use enough water to cover thoroughly or approximately 1 gallon per 10 square feet. ZMC Express can be incorporated into NPK fertilizer at 4 oz. per 50 lbs. of NPK.

**FOLIAR SOLUBLE SPRAYS:** The addition of soluble fertilizer sprays may improve absorption and efficiency of micronutrient uptake. Miller Nutri-Leaf® or Sol-U-Gro® has been especially formulated to optimize the performance of foliarly applied ZMC Express. The recommended rate of Nutri-Leaf or Sol-U-Gro should be used at their labeled rates. For maximum effect from any foliar spray, apply during early morning or late evening, not in bright sunshine.

**CAUTION:** Do not apply more than 1 lb. per acre of any single chelate or mixture of chelates per foliar application as crop injury may occur. Multiple chelate applications should be made at no less than 10 to 14 day intervals to reduce the potential for crop injury.

#### PRECAUTIONS

Wash hands with soap and water before meals and after work. Store in the original container, tightly closed, in a dry place. Store away from children, pets, livestock, and foodstuffs. Information regarding the contents and levels of metals in this product is available on the internet at: <https://www.aapfco.org/metals.html>

Use this product in accordance with good agronomic practices, which include utilizing proven spray equipment set for proper coverage. Do not make applications when temperatures are too hot as crop damage may occur. Applications should be made at temperature levels and when other environmental conditions in your area are such that your experience indicates the application will be compatible and will accomplish the desired result.

#### NOTICE OF WARRANTY

Miller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Miller. In no case shall Miller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. MILLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE. Information concerning the raw materials composing this product can be obtained by writing to Miller Chemical & Fertilizer, LLC, P.O. Box 333, Hanover, PA 17331. Please refer to the product/batch number found on this container.

Manufactured by:  
**MILLER CHEMICAL & FERTILIZER, LLC**  
P.O. Box 333, Hanover, PA 17331 U.S.A.

NET WEIGHT: 25 LBS (11.34 kg)